PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		ion of Transmittal of International		
1135-5PCT			Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/mo	nth/year)	Priority date (day/month/year)		
PCT/US03/28878	12 September 2003 (12.09.2003)	13 September 2002 (13.09.2002)		
International Patent Classification (IPC)	or national classification and IPC				
IPC(7): A61B 17/00 and US Cl.: 606/6	<u> </u>				
l "					
REPLICATION MEDICAL, INC.					
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 					
2. This REPORT consists of	2. This REPORT consists of a total of sheets, including this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a	total of sheets.				
3. This report contains indicate	tions relating to the following	items:			
I Basis of the repo	ort				
II Priority					
III Non-establishme	nt of report with regard to nov	elty, inventive	step and industrial applicability		
IV Lack of unity of					
V Reasoned statem	ent under Article 35(2) with re	gard to novelty	y, inventive step or industrial		
applicability; cita	ations and explanations suppor	ing such stater	nent		
VI Certain documen	VI Certain documents cited				
VII Certain defects in	VII Certain defects in the international application				
VIII Certain observations on the international application					
Date of submission of the demand	Date	of completion of	of this report		
08 April 2004 (08.04.2004)		- cember 2004 (17	-		
Name and mailing address of the IPEA/US	3	+ X	\(\)		
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		ized office	u		
P.O. Box 1450 Alexandria, Virginia 22313-1450		an T. Nguyen	v ·		
Facsimile No. (703) 305-3230 Telephone No. (703) 308-0858					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US03/28878	

Y Pagin of All	<u> </u>
I. Basis of the report	
1. With regard to the elements of the international application:*	
the international application as originally filed.	
the description:	
pages 1-27 as originally filed	
pages NONE , filed with the demand pages NONE , filed with the letter of	
the claims:	
pages 28-33, as originally filed pages NONE, as amended (together with any statement) under Article 19	
pages NONE, filed with the demand	
pages NONE, filed with the letter of	
the drawings:	•
pages 1-18 , as originally filed	
pages NONE , filed with the demand pages NONE , filed with the letter of	
•	
the sequence listing part of the description:	
pages NONE , as originally filed pages NONE , filed with the demand	
pages NONE, filed with the letter of	
2. With regard to the language, all the elements marked above were available on family and a six a	thanit, in 41-
which	h is:
the language of a translation furnished for the purposes of international search (under Rule23.	1(b)).
the language of publication of the international application (under Rule 48.3(b)).	-(-),.
the language of the translation furnished for the purposes of interpational preliminary exercises	tion(under Pules
and or 55.5)	
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application international preliminary examination was carried out on the basis of the sequence listing: 	on, the
contained in the international application in printed form.	
filed together with the international application in computer readable form.	
furnished subsequently to this Authority in written form.	
furnished subsequently to this Authority in computer readable form.	
The statement that the subsequently firming a large reached and th	
The statement that the subsequently furnished written sequence listing does not go beyond the dinternational application as filed has been furnished.	ı
The statement that the information recorded in computer readable form is identical to the writte has been furnished.	n sequence listing
The amendments have resulted in the cancellation of:	
the description, pages NONE	
the claims, Nos. NONE	
the drawings, sheets/fig NONE	
This report has been established as if (some of) the amendments had not been made, since they have been a beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 is report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70 Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.	1 are referred to in 16 and 70.17).
TO POTT/IPPA //00 /Per D. (7-1-1000)	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/28878

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V. Reasoned statement under Rule 66.2(a)(i citations and explanations supporting suc	i) with regar h statement	rd to novelty, inventive step or industrial a	pplicability;
1. STATEMENT			
Novelty (N)	Claims	1010-12,14,15,17-20,24-28,33-35,42,43	YES
		1-9,13,16,21-23,29-32,36-41	NO
Inventive Step (IS)	Claims	10-12,14,15,17-20,24-28,33-35,42,43	YES
		1-9,13,16,21-23,29-32,36-41	NO
Industrial Applicability (IA)	Claims	1.42	
· · · · · · · · · · · · · · · · · · ·	Claims		YES NO
			
2. CITATIONS AND EXPLANATIONS			
fixed handle 12, a movable handle 16, a pusher ride 2. Claim 1-9, 13 and 16 lack novelty under PCT Article Moskovich discloses a tool fully capable of manipulat having a chamber therein, a manipulation assembly 2 pin 24, a holder (located at the distal end of the guide Claims 21-23 lack novelty under PCT Article 33(2) as folding apparatus comprising a folding device 11 and member 18 and 20, and a guide member 42. The devidisc-shaped implant as disclosed by applicant may be may be closed upon the implant causing the disc to be claims 10-12, 14, 15, 17-20, 24-28, 33-35, 42 and 43 and teach or feith suspect all of the limitation of the	e 33(2) as being a flexible 1, 23 and 26, assembly), a s being anticip 12 having jawrice is inherent placed betweend and fold.	g anticipated by Moskovich (US 5,431,658). In intervertebral implant comprising: a guide assemble an opening, a manipulation member 26, a connect plunger 25 and 26, and an implant 5. ated by Sherwin (US 3,750,652). In Fig. 1, Sher s, the jaws baving a defining a variable size recessly capable of folding an invertebral implant. For n the jaws, with the outer edges engaging the jaws	Fig. 6, aly 1 and 2 tor 25, a drive win discloses a s, a drive example, a s. The jaws
not teach or fairly suggest all of the limitations of the "a transfer sleeve having first and second ruts mounte and a surgical instrument "engageable with the proxim the recess" (claim 42).	claims <u>includi</u> d thereon and	ag a storage member (claim 17), an implantation t	tube (claim 29),
Claims 1-42 meet the criteria set out in PCT Article 33 can be made or used in industry.	3(4), and thus	have industrial applicability because the subject m	natter claimed
Claims 29, 30 and 41 lack novelty under PCT Article pparatus" comprising jaws, a pusher and a tube.	33(2) as being	anticipated by GRABEK. Grabek discloses a "fo	olding
Claims 31, 32 and 36 lack novelty under PCT Article: transfer sleeve" having first and second mits and a loc	33(2) as being ck member wi	anticipated by TOURTELLOTTE. Tourtellotte of a working sleeve (Fig. 1)	discloses

Form PCT/IPEA/409 (Box V) (July 1998)

---- NEW CITATIONS ----

US 5 931 810 a (GRABEK) 03 August 1999, see Fig. 1. US 5 961 248 A 9TOURTELLOTTE) 05 Octoer 1999, see Fig. 1.